



**MONTGOMERY COUNTY FIRE AND RESCUE SERVICE
DRIVER/OPERATOR TRAINING PROGRAM**

Practical Application Guide Sheet

Engine: Class B Foam Handline

Candidate Performance Competency: Candidate will place in service a 200' 1 ¾" hoseline using booster tank water to flow Class B foam. The evaluator will let the candidate know what type of fuel (hydrocarbon or polar solvent) is to be extinguished. Candidate will select the proper percentage of Class B concentrate to be introduced into the line.

Task	Value	Score
1. Stop Engine and apply parking brake.	3	
2. Engage pump. Listen for pump and air compressor to engage. See speedometer reading approximately 10-15 MPH. See green "Ok To Pump When Lit" indicator light in cab illuminated.	1	
3. Place wheel chock on downhill side of front or rear tire. (CFP)	3	
4. Operator confirms the following: a) Pump panel gauges are illuminated, b) FoamLogix Pump is on, c) Air Compressor is on, d) positive discharge pressure on the Master Discharge Gauge, and e) "Tank To Pump" valve is open.	3	
5. Turn off FoamLogix Pump and Air Compressor. (CFP)	5	
6. Set up the hose line to flow foam: a. Connect foam eductor to water and concentrate discharges on the pump panel. b. Attach 200' of 1 ¾" hose with Metro 1 fog nozzle to discharge side of the eductor. (CFP) c. Secure air aspirating attachment to Metro 1 nozzle. (CFP)	5	
7. Set foam concentrate percentage on the eductor based on the type of fuel (hydrocarbon 1% / polar solvent 3%). (CFP)	5	
8. Open Class B foam gate valve on the pump panel.	4	
9. Open TPM control device to sufficient pressure. (CFP)	3	
10. Operate primer until water discharges to ground.	3	
11. Open gate valve on pump panel to allow foam solution to fill the line. Assistant will completely open the nozzle bale.	3	

Task	Value	Score
12. Throttle up to proper discharge pressure. (200 psi at the eductor inlet) (CFP) Discharge Pressure: _____ psi	5	
13. Adjust TPM to appropriate pressure. (CFP)	5	
14. Check attack line to ensure charging, freedom from obstructions, and remove all kinks missed by crew. (CFP)	5	
15. Ensure that there is a means for water to be constantly circulating through the pump for cooling in the event that lines are shut down. TRV should <u>not</u> activate. (CFP)	5	
16. Monitor pump panel, pump, engine compartment gauges and radio.	3	
Return to Service		
17. Throttle down to 100psi. Close Class B foam gate valve and transition pickup tube to a bucket of clean water. Flush the hose and appliances while moving the eductor concentrate selector knob through each setting. (CFP)	5	
18. Throttle down, close discharge, and disengage pump.	5	
19. Reset TPM to zero. (CFP)	5	
20. Refill tank water and Class B solution reservoir.	5	
21. Ensure Engine is ready for service.	5	
22. Flush onboard Class B system with garden hose inlet on the pump panel.	5	
Additional Knowledge:		
23. Candidate will explain the 3 methods of applying Class B foam concentrate to prevent agitation of the fuel. (roll-on, bank-down, rain-down)	4	
24. Given a full reservoir of Class B foam concentrate (25 gallons) and an unlimited external water source. Candidate will explain how much foam solution is available at the 1% and 3% settings. (1% = 2,500 gallons / 3% = 833 gallons)	5	
Total Points	100	

Critical Fail Points

Failure to successfully perform any of the following components will result in an automatic failure of this evolution regardless of total score.

- a) Not delivering the requested product
- b) Improper setting of the TPM at any stage of the evolution
- c) Loss of water/pressure in attack line

- d) Not flowing line at 200 PSI at eductor
- e) Improper eductor setting for solution percentage
- f) Placing greater than 200' of hose between the eductor and nozzle
- g) Failure to connect air aspirating attachment to nozzle
- h) Failure to properly flush line and Eductor
- i) Failure to turn OFF CAFS Air Compressor
- j) Failure to turn OFF Class A Foam Pump
- k) Failure to use wheel chock
- l) Activation of TRV

Evaluator: Initial beside the final outcome of the exam below.

____ **PASS** ____ **FAIL – Overall Points** ____ **FAIL – Critical Failure Point**

Evaluator Name

Date

Evaluator Signature